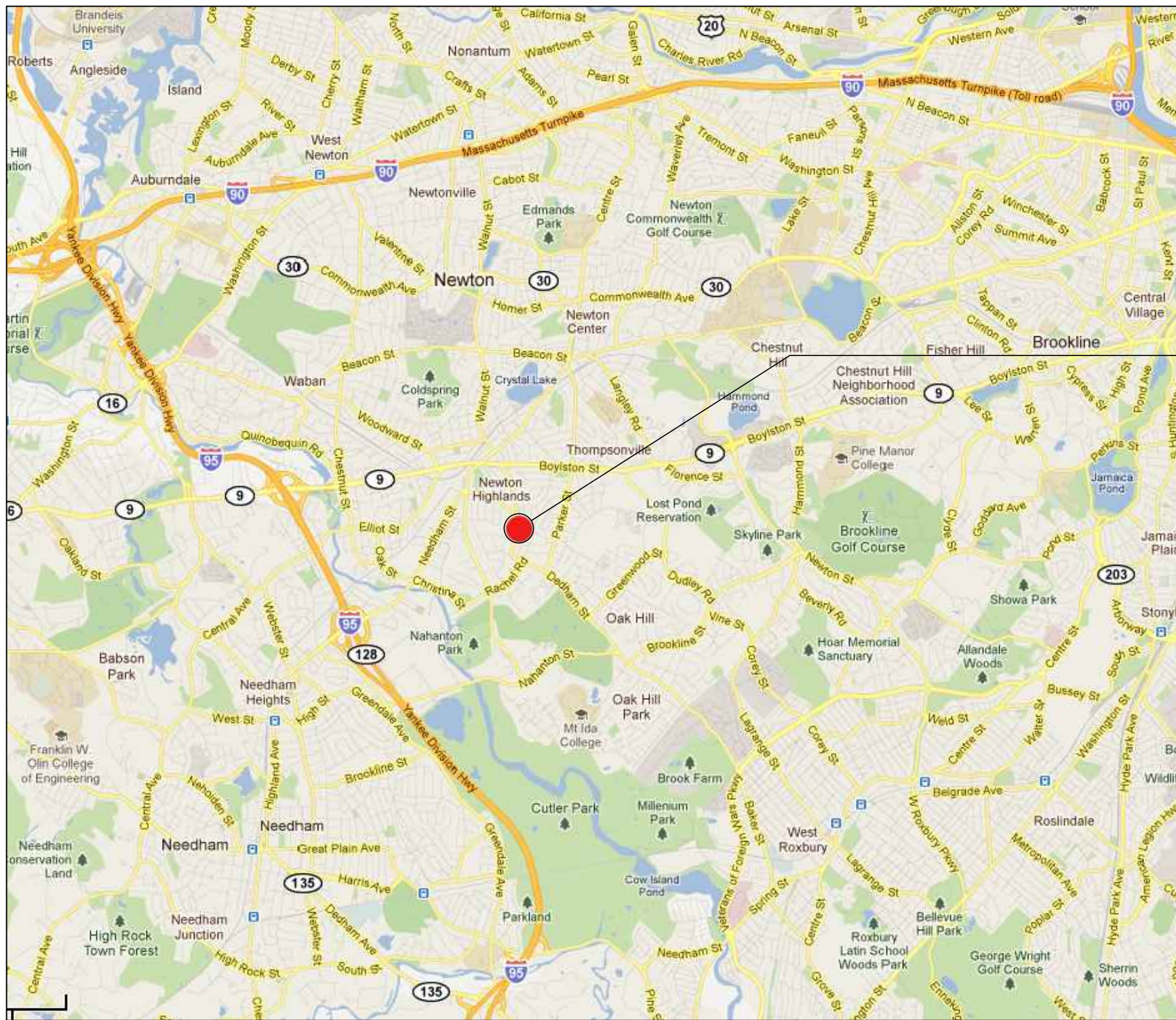


# COUNTRYSIDE ELEMENTARY SCHOOL ROOF REPLACEMENT

191 DEDHAM ST.  
NEWTON HIGHLANDS, MA 02461

## LOCATION MAP



COUNTRYSIDE ELEMENTARY SCHOOL POND  
191 DEDHAM ST. NEWTON HIGHLANDS, MA 02461

## LIST OF DRAWINGS

- T1.0

TITLE SHEET
- A1.0

ROOF OVERALL PLAN
- A1.1

ROOF PART PLAN AREAS A&B
- A1.2

ROOF PART PLANS AREAS C, D & E
- A3.0

ROOF DETAILS

ALTERNATE NO.1  
WORK ON ROOF AREA E IS TO BE BID AS PART OF ALTERNATE NO. 1

BID DOCUMENTS  
APRIL 19, 2012

KBA

ARCHITECTS

KNIGHT, BAGGE AND ANDERSON, INC.

6 THIRTEENTH STREET

CHARLESTOWN, MA. 02129

617-241-2807 (T)

617-241-2857 (F)

Designed By: MMW

Drawn By: MMW

Checked By: DPB

REV	DATE	DESCRIPTION

Project North:

Key Plan:

COUNTRYSIDE ELEMENTARY SCHOOL

ROOF REPLACEMENT

191 DEDHAM STREET

NEWTON HIGHLANDS, MA 02461

Stamp:

Drawing Name:

TITLE SHEET

Job No.: S116911-D

Date: 4/19/2012

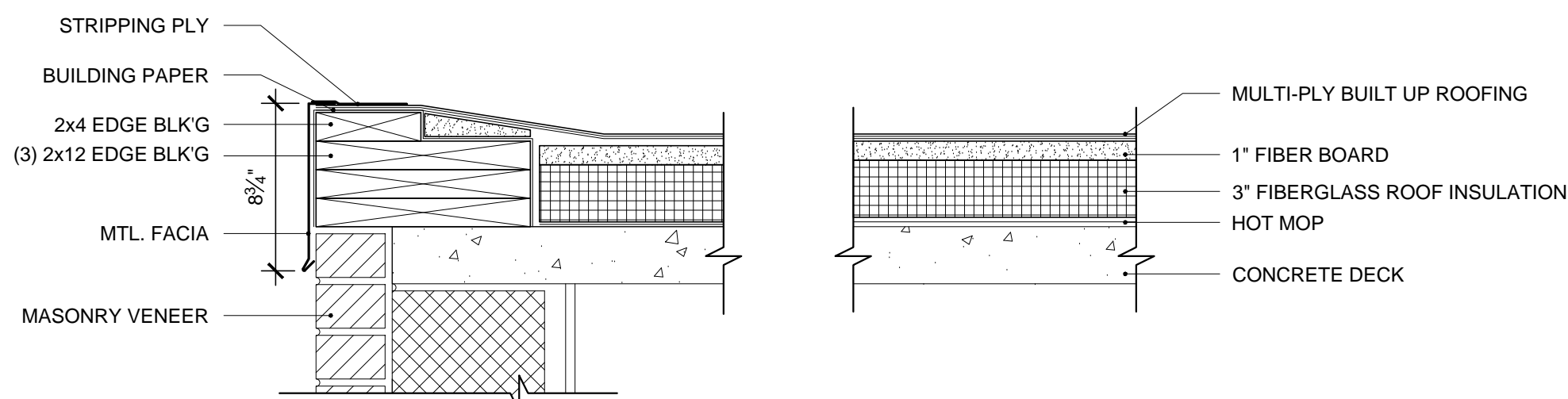
Drawing No.

AT.0

BID DOCUMENTS



J:\KBA Projects\Newton Co. CUIS116911 - QC 2011\15116911-D Countryside Elem Renov\DWG\92\_CD01-Roof Replacement\15116911-D\_A1.0.dwg (A1.0) Plotted Apr 18, 2012 at 11:17am by danielson



**B** TYP. EXISTING ROOF EDGE  
1 1/2" = 1'-0"

**A** TYP. EXISTING ROOF COMPOSITION  
1 1/2" = 1'-0"

**ROOF TEST CUTS**

REFER TO EXISTING ROOF DETAILS ON THIS SHEET - TAB A1.0

**LEGEND:**

#+ INDICATES TEST CUT LOCATION AND NUMBER

**RESULTS:**

- 1+ TEST CUT 1: AREA A @ HIGH POINT, CENTER - CONCRETE DECK, HOT MOP, 3" INSULATION, 1" FIBERBOARD, MULTI-PLY BUILT UP ROOFING - SEE A1A.0
- 2+ TEST CUT 2: AREA A @ ROOF DRAIN, ROOF EDGE - CONCRETE DECK, HOT MOP, 3" INSULATION, 1" FIBERBOARD, MULTI-PLY BUILT UP ROOFING - SEE A1A.0
- 3+ TEST CUT 3: AREA A @ ROOF EDGE, ROOF EDGE - CONCRETE DECK, HOT MOP, 3" INSULATION, 1" FIBERBOARD, MULTI-PLY BUILT UP ROOFING - SEE A1A.0
- 4+ TEST CUT 4: AREA A @ HIGH POINT, CENTER - CONCRETE DECK, HOT MOP, 3" INSULATION, 1" FIBERBOARD, MULTI-PLY BUILT UP ROOFING - SEE A1A.0
- 5+ TEST CUT 5: AREA B @ MID-POINT, CENTER - CONCRETE DECK, HOT MOP, 3" INSULATION, 1" FIBERBOARD, MULTI-PLY BUILT UP ROOFING - SEE A1A.0
- 6+ TEST CUT 6: AREA D @ HIGH POINT, CENTER - CONCRETE DECK, HOT MOP, 3" INSULATION, 1" FIBERBOARD, MULTI-PLY BUILT UP ROOFING - SEE A1A.0

**GENERAL NOTES**

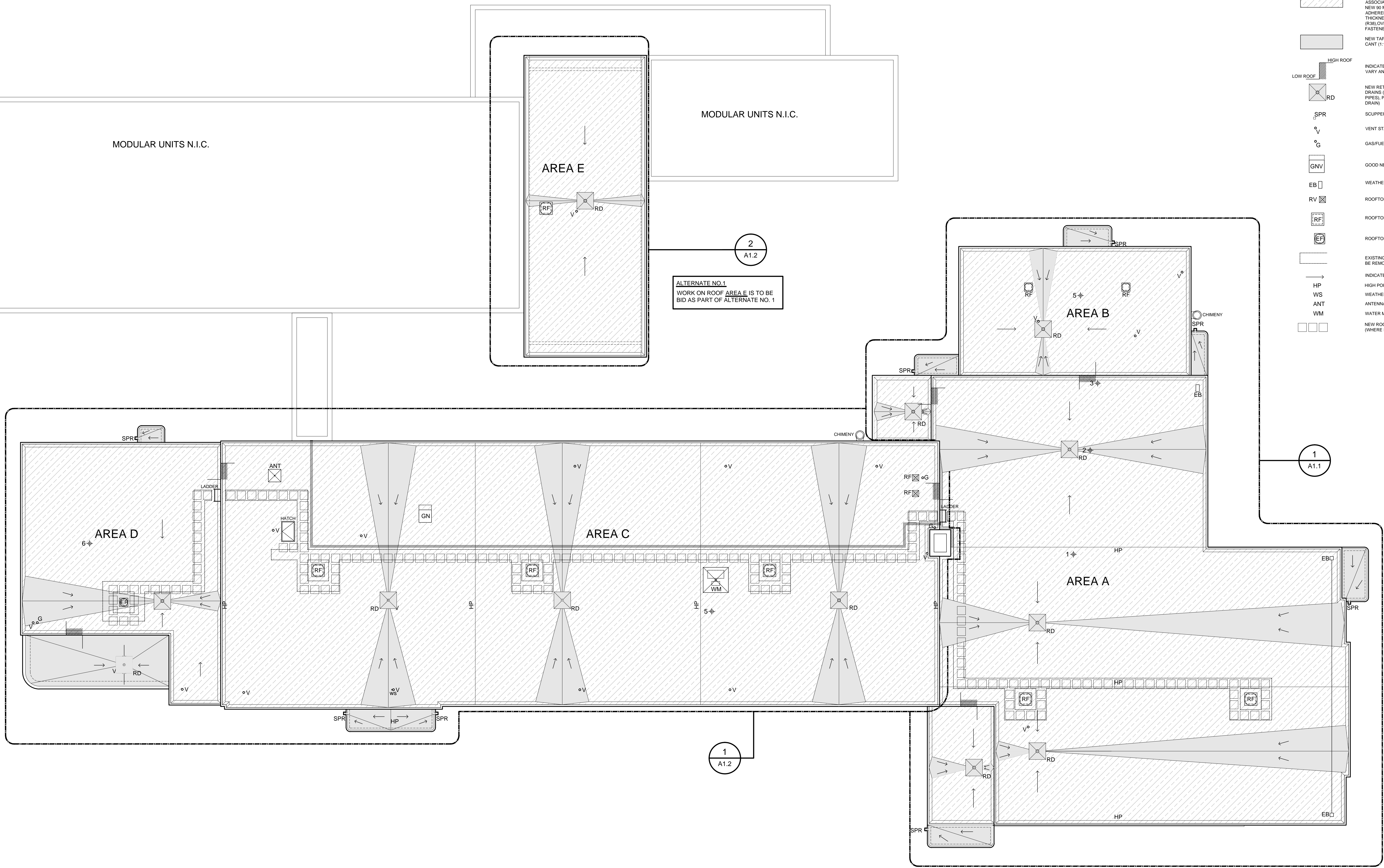
- GENERAL CONTRACTOR TO COORDINATE ALL ROOFING PENETRATIONS AND EQUIPMENT WITH HEATING & VENTILATING, PLUMBING AND ELECTRICAL WORK
- REMOVE & REPLACE ALL DAMAGED WD BLK'G WHICH MAY EXIST.
- EXERCISE GREAT CARE WHEN LIFTING EXISTING COUNTER-FLASHING MATERIALS. DO NOT DAMAGE PERFORM ANY NEEDED REPAIRS TO EXISTING COUNTER-FLASHING TO PROVIDE A WATERTIGHT DETAIL AT WALLS.

**DEMOLITION/ WORK NOTES**

- INDICATES ITEMS OR AREAS OF DEMOLITION
- NOTE D1: REMOVE EXISTING METAL GRAVEL STOPS, FACIA TRIM, FASTENERS AND ASSOCIATED MATERIALS.
- NOTE D2: REMOVE EXISTING WALK PADS/GRAVEL.
- NOTE D3: REMOVE EXISTING WEATHER BOX AND ASSOCIATED MATERIAL.
- NOTE D4: REMOVE/DISCONNECT EXISTING WEATHER STATION AND CAREFULLY STORE UNTIL AS NECESSARY FOR NEW ROOFING WORK. REINSTALL/RECONNECT AS REQUIRED ON VENT STACK WHEN NEW WORK IS COMPLETE.
- NOTE D5: CAREFULLY REMOVE MOUNTING BRACKETS FOR CHIMNEY AS REQUIRED FOR NEW FACIA INSTALLATION. REINSTALL BRACKETS/FASTENERS WHEN NEW WORK IS COMPLETE.
- NOTE D6: EXISTING CONDUIT AND CABLES ARE TO BE CAREFULLY LIFTED OUT OF HARM'S WAY FOR THE INSTALLATION OF NEW ROOF.
- NOTE D7: EXISTING ROOF LADDERS TO BE SCRAPPED AND REPAINTED

**LEGEND**

SYMBOL	DESCRIPTION
	REMOVE EXISTING ROOFING SYSTEM, INCLUDING ALL MEMBRANES, GRAVEL, INSULATION, POCKETS, CANTS AND ASSOCIATED MATERIALS TO EXISTING CONCRETE DECK. INSTALL NEW 90 MIL. EPDM ROOFING MEMBRANE (50 YEAR FULLY ADHERED TO 1/2" PROTECTION BOARD, OVER 7" (TOTAL THICKNESS) POLYISOCYANATE ROOFING INSULATION (R38) OVER CONTINUOUS VAPOR BARRIER MECHANICALLY FASTENED TO EXISTING CONCRETE DECK.
	NEW TAPERED POLYISOCYANATE INSULATION CANT (1:1/4)
	HIGH ROOF
	LOW ROOF
	RD NEW RETROFIT (DRAIN INSERT) TO EXISTING ROOF DRAIN. ROD OUT AND CLEAN EXISTING DRAIN PIPES, PROVIDE NEW 4"X4" SUMP (W/REINFORCED DRAIN)
	SPR SCUPPER DRAIN BOX
	V VENT STACK PIPE PENETRATION
	G GAS/FUEL PIPE PENETRATION
	GN GOOD NECK DUCT ROOFTOP PENETRATION
	EB WEATHER PROOF ELECT. BOX
	RV ROOFTOP VENT PENETRATION
	RF ROOFTOP FAN PENETRATION
	EF ROOFTOP EXHAUST FAN
	EXISTING ADHERED GRAVEL WALKING SURFACE TO BE REMOVED
	INDICATES ROOF/SILLATION SLOPE
	HP HIGH POINT
	WS WEATHER STATION
	ANT ANTENNA
	WM WATER METER ANTENNA RELAY
	NEW ROOF WALKWAY TILES (WHERE INDICATED)



**1** OVERALL ROOF PLANS  
3/32" = 1'-0"

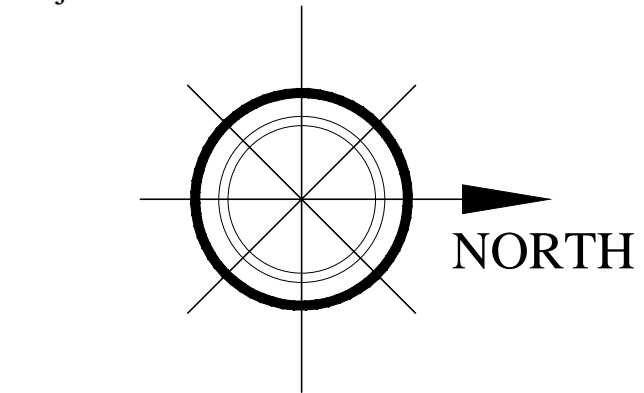
Designed By: MMW

Drawn By: MMW

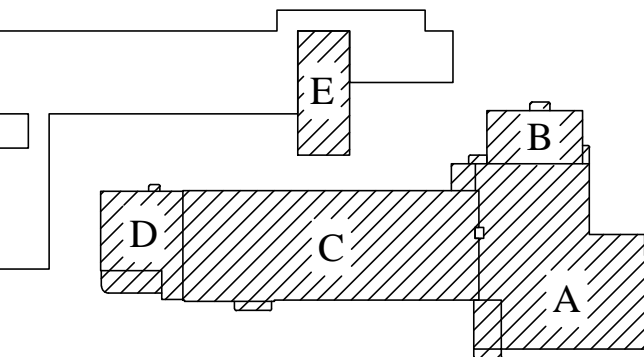
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REV	DATE	DESCRIPTION

Project North:



Key Plan:



**COUNTRYSIDE ELEMENTARY SCHOOL  
ROOF REPLACEMENT**  
191 DEDHAM STREET  
NEWTON HIGHLANDS, MA 02461

Stamp:

Drawing Name:

**OVERALL  
ROOF PLAN**

Job No.: S116911-D	Drawing No. <b>A1.0</b>
Date: 4/19/2012	
BID DOCUMENTS	



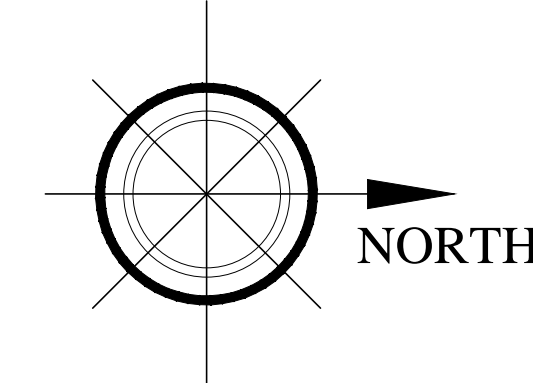
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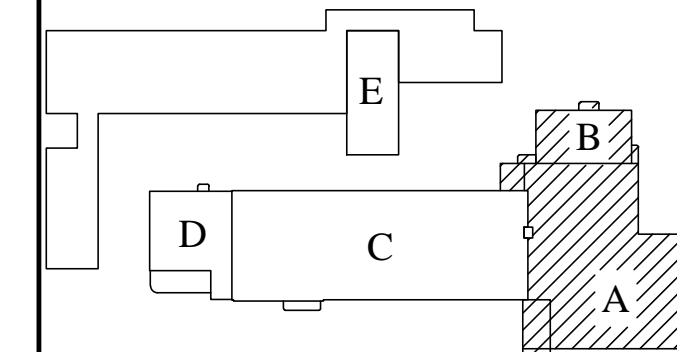
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[illegible]

Project North:



**Key Plan:**



COUNTRYSIDE ELEMENTARY SCHOOL  
ROOF REPLACEMENT  
191 DEDHAM STREET  
NEWTON HIGHLANDS, MA 02461

Stamp:

Drawing Name:

ROOF PART PLAN  
AREAS A & B

Job No.:

Date:

Drawing No.
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## A1.1

BID DOCUMENTS



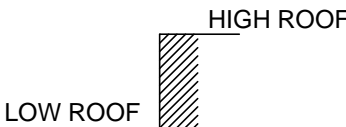
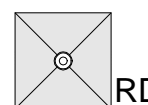











## GENERAL NOTES

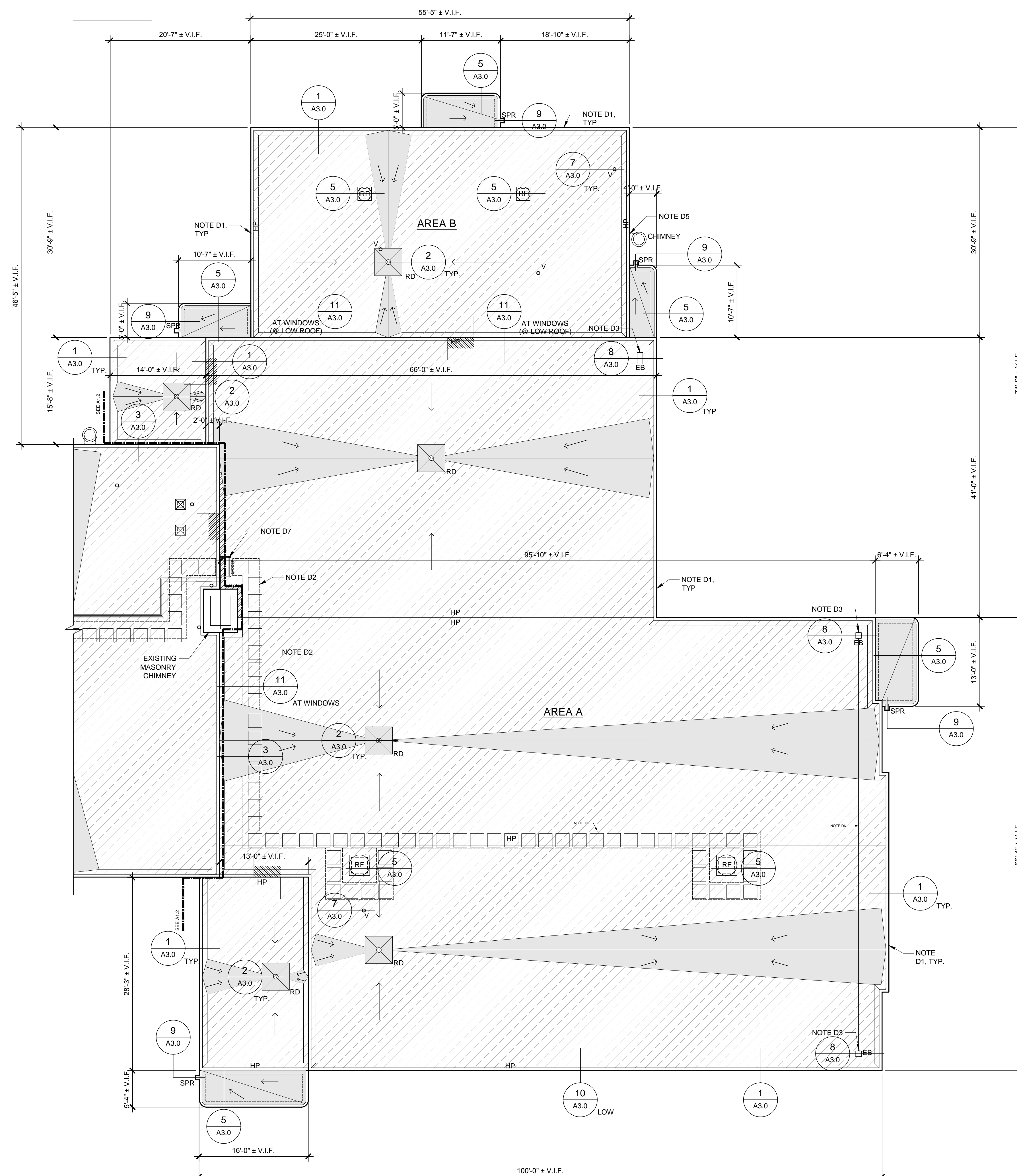
1. GENERAL CONTRACTOR TO COORDINATE ALL ROOFING PENETRATIONS AND EQUIPMENT WITH HEATING & VENTILATING, PLUMBING AND ELECTRICAL WORK
2. REMOVE & REPLACE ALL DAMAGED WD BLK'G WHICH MAY EXIST.
3. EXERCISE GREAT-CARE WHEN LIFTING EXISTING COUNTER- FLASHING MATERIALS. DO NOT DAMAGE. PERFORM ANY NEEDED REPAIRS TO EXISTING COUNTER- FLASHING TO PROVIDE A WATERTIGHT DETAIL AT WALLS.

## DEMOLITION/ WORK NOTES

- \*\*\*\*\* INDICATES ITEMS OR AREAS OF DEMOLITION
- NOTE D1: REMOVE EXISTING METAL, GRAVEL STOPS, FACIA TRIM, FASTENERS AND ASSOCIATED MATERIALS.
- NOTE D2: REMOVE EXISTING WALK PADS/GRAVEL
- NOTE D3: REMOVE EXISTING WEATHER BOX AND ASSOCIATED MATERIAL
- NOTE D4: REMOVE/DISCONNECT EXISTING WEATHER STATION AND CAREFULLY STORE UNTIL, AS NECESSARY FOR NEW ROOFING WORK. REINSTALL/RECONSTRUCT AS REQUIRED ON VENT STACK WHEN NEW WORK IS COMPLETE
- NOTE D5: CAREFULLY REMOVE MOUNTING BRACKETS FOR CHIMNEY AS REQUIRED FOR NOW FACIA INSTALLATION: REINSTALL BRACKET/FASTENERS WHEN NEW WORK IS COMPLETE
- NOTE D6: EXISTING CONDUNIT AND CABLES ARE TO BE CAREFULLY LIFTED OUT OF HARMS WAY FOR THE INSTALLATION OF NEW ROOF.
- NOTE D7: EXISTING ROOF LADDERS TO BE SCRAPED AND REPAINTED

### LEGEND

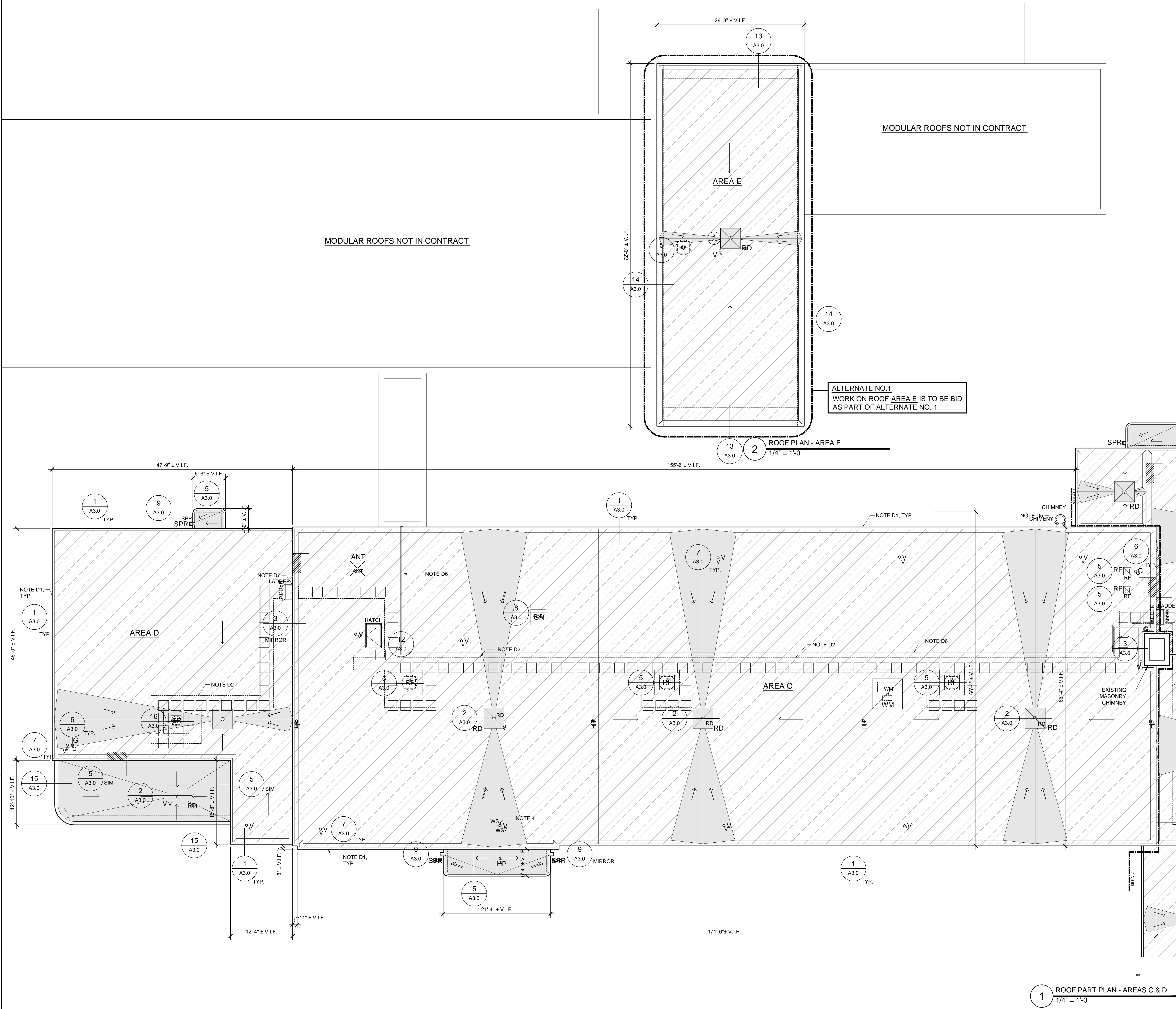
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	NEW TAPERED POLYISOCYANATE INSULATION CANT (1-1/4")
	INDICATES CHANGE IN ROOF ELEVATIONS; HEIGHTS VARY AND SHALL BE VERIFIED IN FIELD
	NEW RETROFIT (DRAIN INSERT) TO EXISTING ROOF DRAIN (ROD OUT) AND GLAN EXISTING DRAIN PIPES), PROVIDE NEW 48"x48" SUMP (TAPERED TO DRAIN)
	SCUPPER DRAIN BOX
	VENT STACK PIPE PENETRATION
	GAS/FUEL PIPE PENETRATION
	GOOD NECK DUCT ROOFTOP PENETRATION
	WEATHER PROOF ELECT. BOX
	ROOFTOP VENT PENETRATION
	ROOFTOP FAN PENETRATION
	ROOFTOP EXHAUST FAN
	EXISTING ADHERED GRAVEL WALKING SURFACE TO BE REMOVED
	INDICATES ROOF/SULLATION SLOPE
HP	HIGH POINT
WS	WEATHER STATION
ANT	ANTENNA
WM	WATER METER ANTENNA RELAY
	NEW ROOF WALKWAY TILES (WHERE INDICATED)



1 ROOF PLAN - AREAS A & B  
1/8" = 1'-0"



J:\KBA Projects\Newton Or Callis\116911-D CountrySide Elem Renov\DWG\92\_CD\01 Roof Replacement\116911-D\_A12.dwg (A12) Plotted Apr 18, 2012 at 11:17am by danderson



GENERAL NOTES

1. GENERAL CONTRACTOR TO COORDINATE ALL ROOFING PENETRATIONS AND EQUIPMENT WITH HEATING & VENTILATING, PLUMBING AND ELECTRICAL WORK
2. REMOVE & REPLACE ALL DAMAGED WD BLKG WHICH MAY EXIST.
3. EXERCISE GREAT CARE WHEN LIFTING EXISTING COUNTER-FLASHING MATERIALS. DO NOT DAMAGE. PERFORM ANY NEEDED REPAIRS TO EXISTING COUNTER-FLASHING TO PROVIDE A WATERTIGHT DETAIL AT WALLS.

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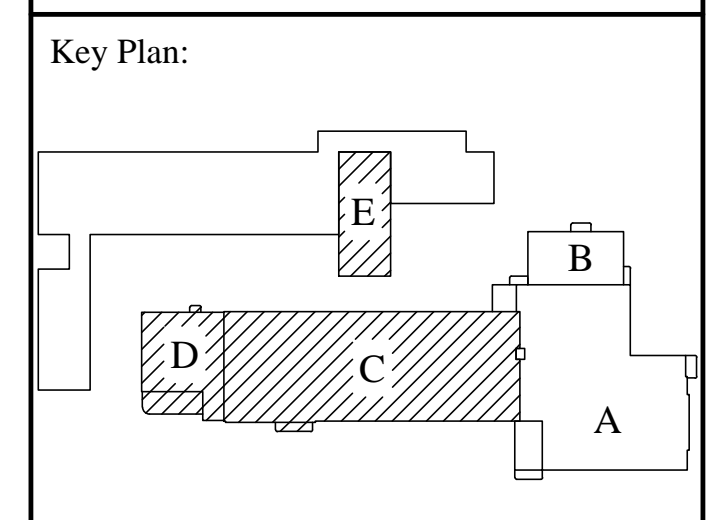
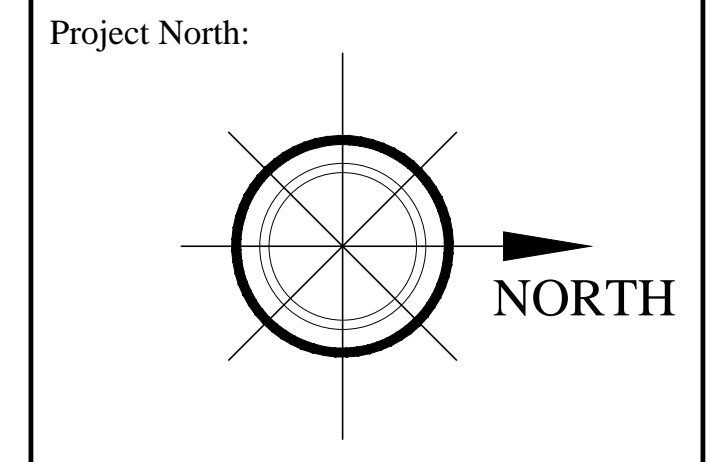
LEGEND

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Designed By: MMW  
Drawn By: MMW  
Checked By: DPB

REV	DATE	DESCRIPTION



COUNTRYSIDE ELEMENTARY SCHOOL  
ROOF REPLACEMENT  
191 DEDHAM STREET  
NEWTON HIGHLANDS, MA 02461

Stamp:

Drawing Name:

ROOF PART PLANS  
AREAS C, D & E

Job No.: S116911-D	Drawing No. A1.2
Date: 4/19/2012	

BID DOCUMENTS



